# Department of Computing

# CS213: Advanced Programming

# Class: BSCS-2A

# Assignment 1:  Simulation for solving the Assembly Line Optimization Problem

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# Reg. # 354

**Simulation for solving the Assembly Line Optimization Problem**

## About:

In this assignment, I have implemented a simulation for solving an assembly line optimization problem using dynamic programming.

What has been done is that cars appear in a station. The station has two lines/tracks. The car can switch between the stations. Total number of stations I’ve chose are 9.

Now, further, am calculating the cost regarding this problem. This is the most optimal cost via the most optimal path. Now on every possible switch between station A and B, the cost is being added up. This is being displayed on console.